

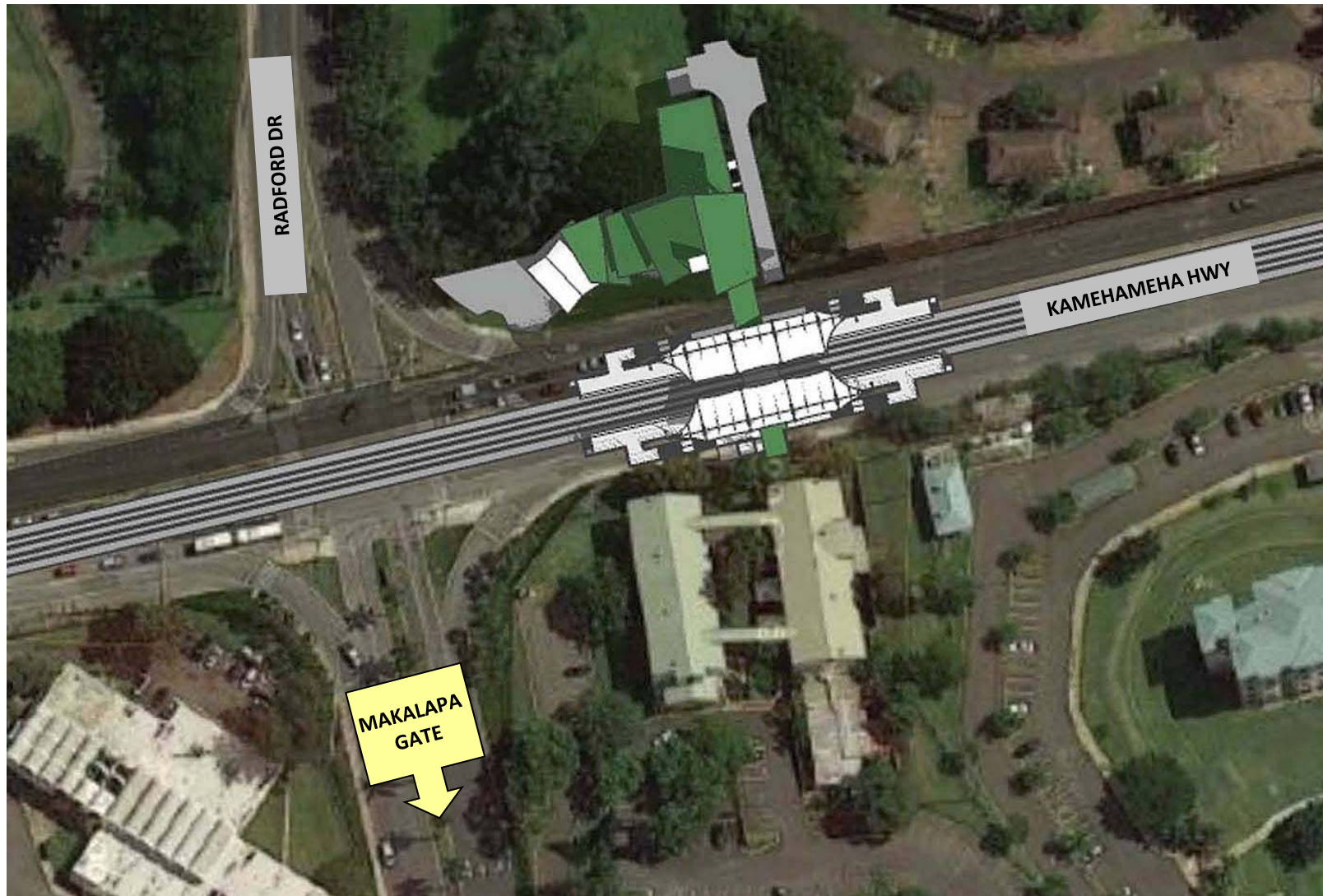
Station Development Program

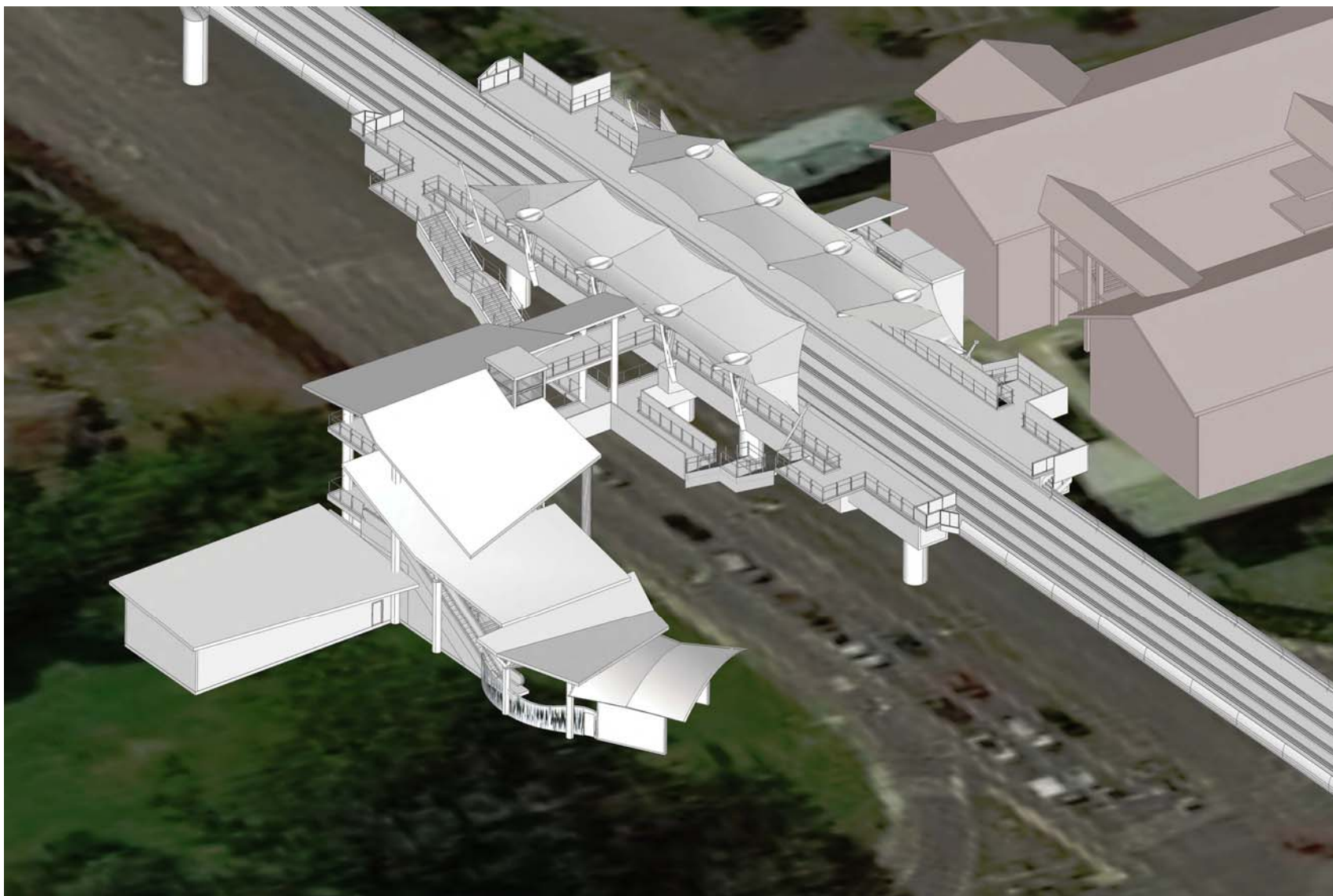
Pearl Harbor Naval Base, Lagoon Drive, Middle Street Stations

This meeting is held in compliance with
Programmatic Agreement Stipulation IV. B.

**Rail Station Design Community
Informational Meeting
Moanalua High School Cafeteria
November 21, 2013**

Pearl Harbor Naval Base Station





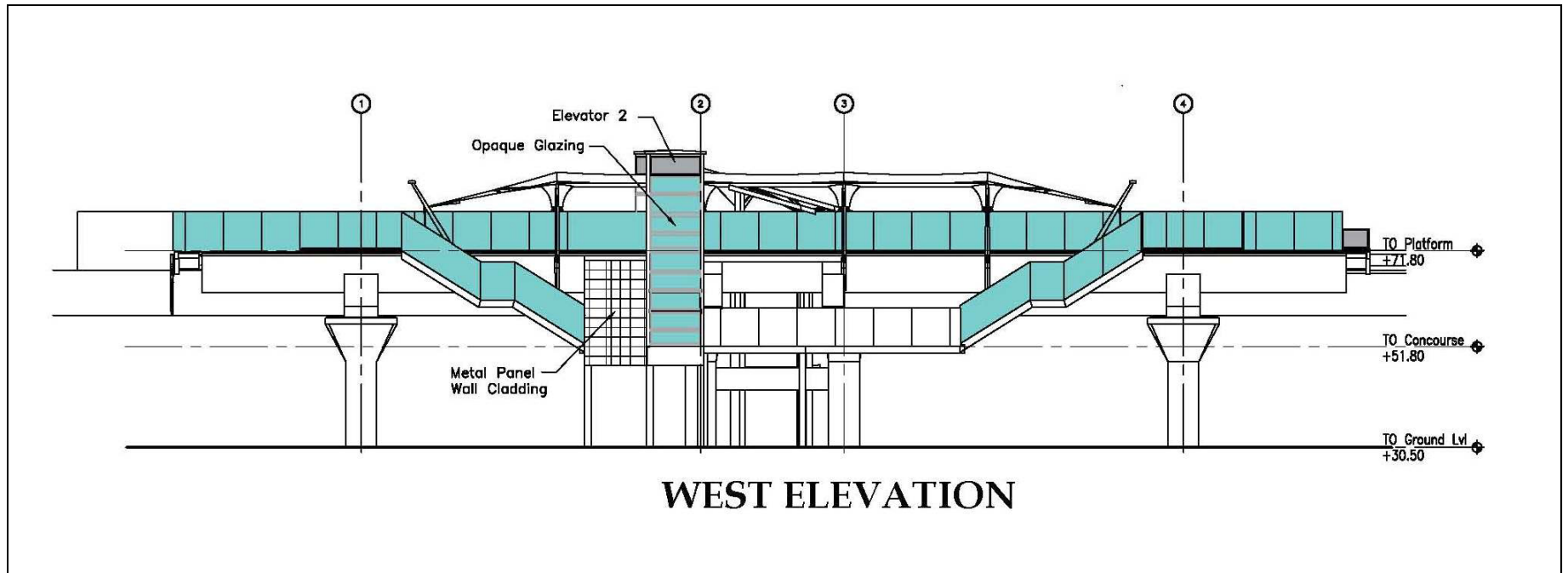
Pearl Harbor Naval Base Station – Aerial View



Pearl Harbor Naval Base Station Entrance

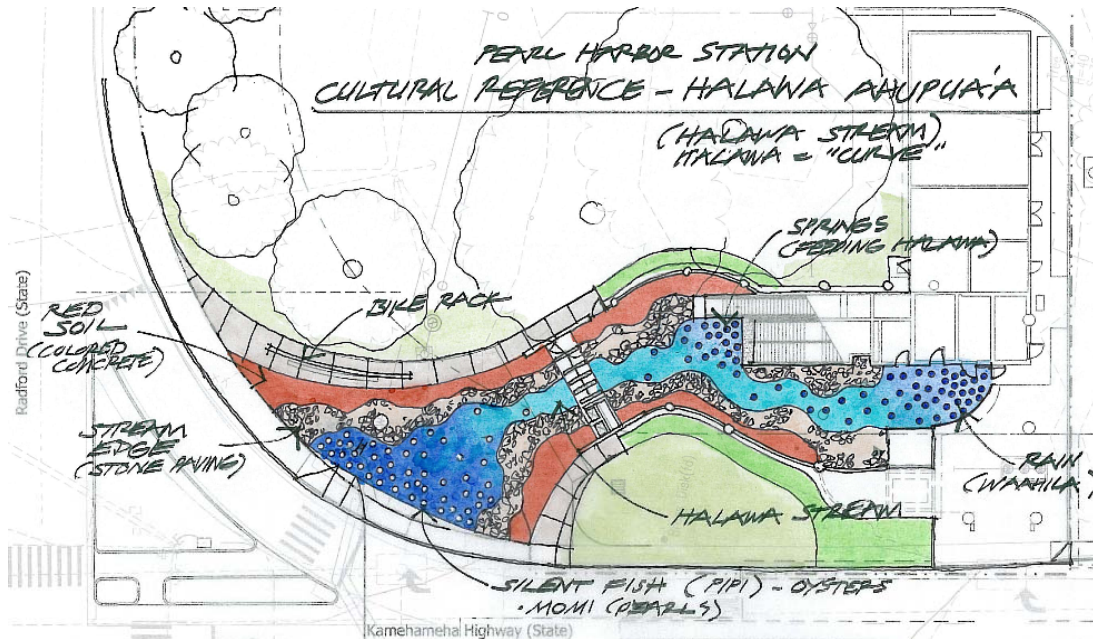
Visual Screens

Pearl Harbor Naval Base Station



Cultural Paving & Landscape Plan

Pearl Harbor Naval Base Station



The Hawaiian name for Pearl Harbor, Waimomi (water of the Pearl), named after the pipi (pearl oyster), once abundant on the harbor reefs. Pipi known as "the silent fish" were to be gathered in silence. If people spoke, a Moa'e (strong trade wind) would suddenly blow across the bay, rippling the waters and the pipi would disappear.

Shrubs & Ground Covers



Spider Lily



Beach Naupaka



Native Hibiscus



'Uki 'Uki



'Akia



Creeping 'Ilima

Accent Palm



Fiji Fan Palm

Lagoon Drive Station



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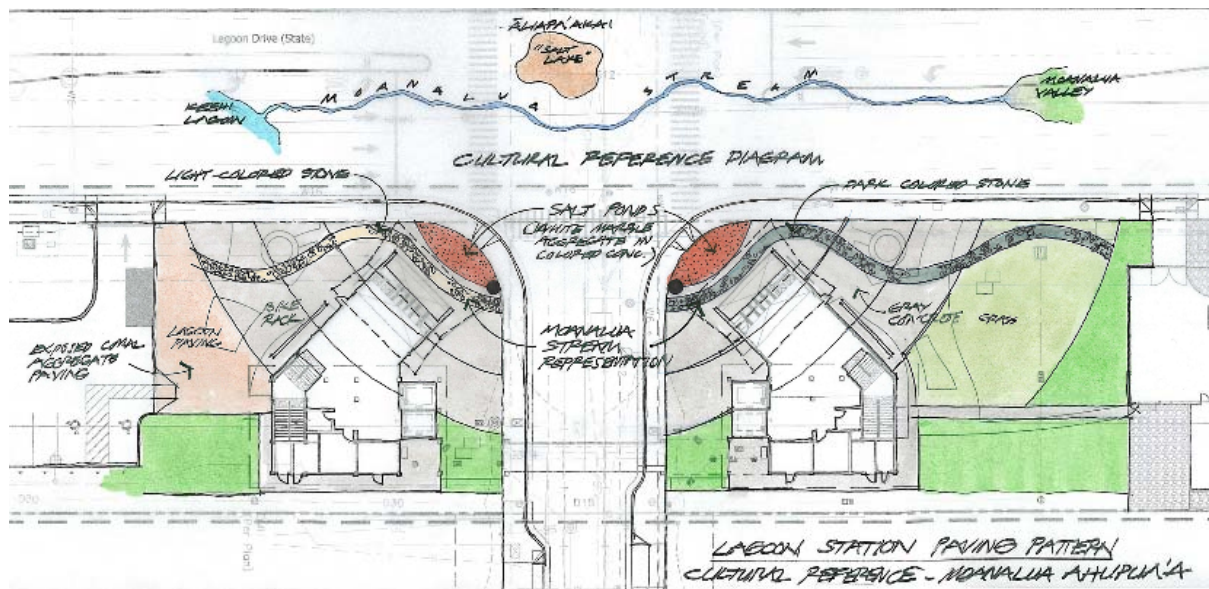
Lagoon Drive Station – Aerial View



Lagoon Drive Station Entrance

Cultural Paving & Landscape Plan

Lagoon Drive Station



Moanalua is home to Āliapa‘akai or “Salt Lake” and to numerous fishponds that produced salt along the shoreline.

Canopy Trees

Medium
Canopy Tree
False Olive



Large
Canopy Tree
Rainbow Shower



Shrubs & Ground Covers



Spider Lily



Beach Naupaka



'Akia



Native Hibiscus



Creeping 'Ilima



'Uki 'Uki

Accent Palms



Fiji Fan Palm

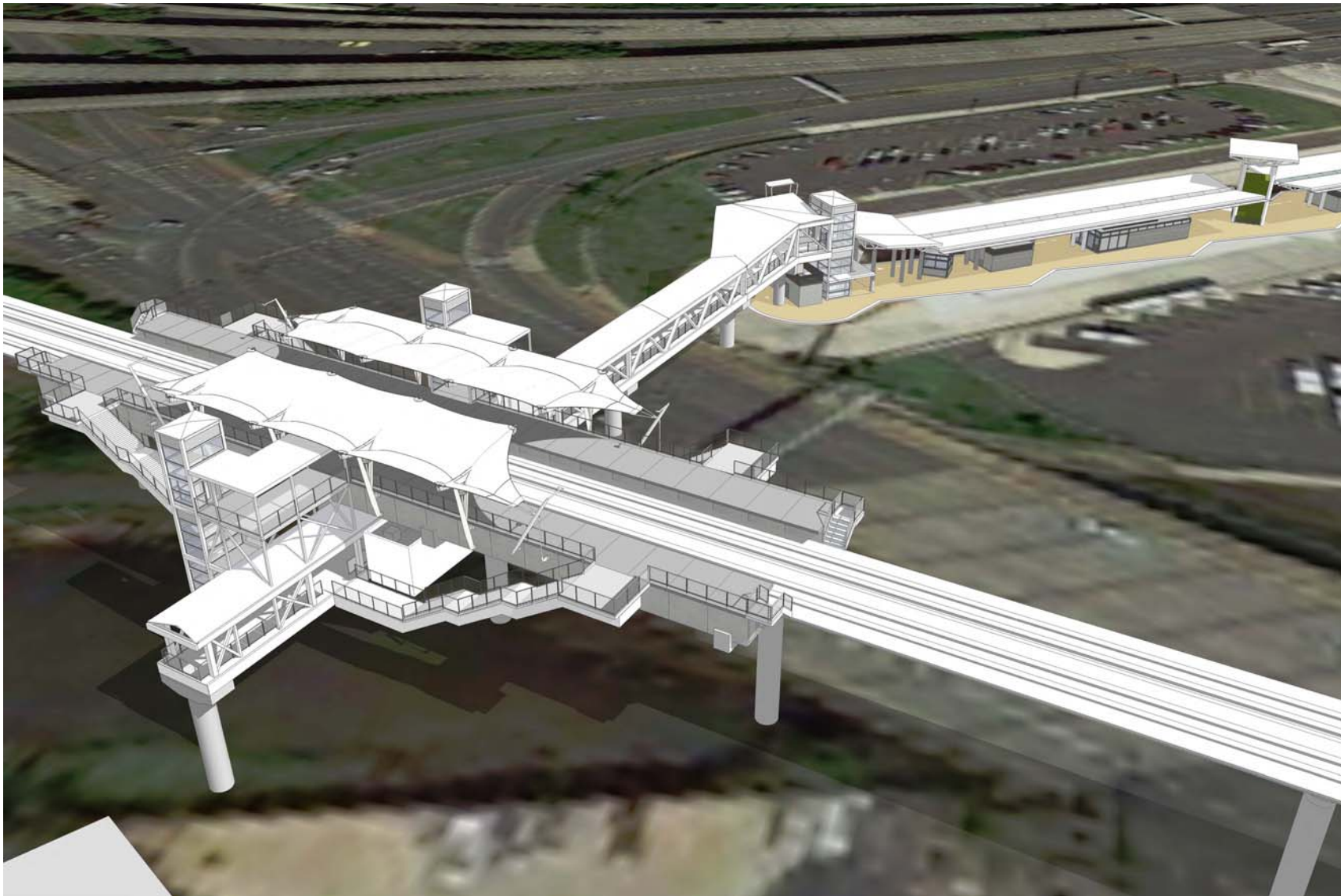


Joannis Palm

Middle Street Transit Center Station



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Middle Street Transit Center Station– Aerial View

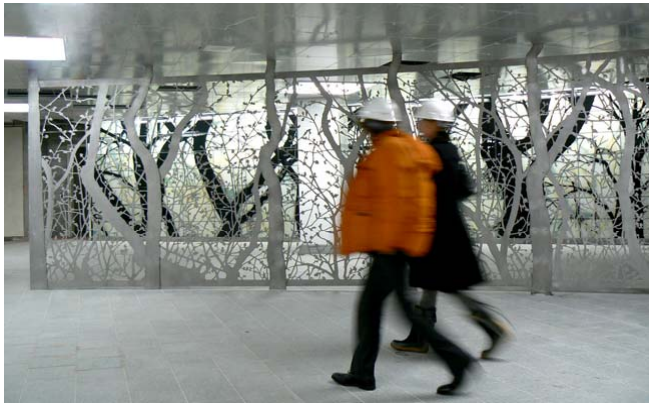


Middle Street Transit Center Station– Exterior View

Station Art Program

Art Opportunity Categories

- Paving and Floor Designs
- Platform Glass Windscreens
- Wall Murals and Low reliefs
- Grille and Artistic Fencing
- Art Glass Windows
- Attached Architectural Elements



See It Split, See It Change, by Doug & Mike Starn,
Fused glass panels & stainless steel fence
South Ferry Station, 1 line, MTA - New York City Transit

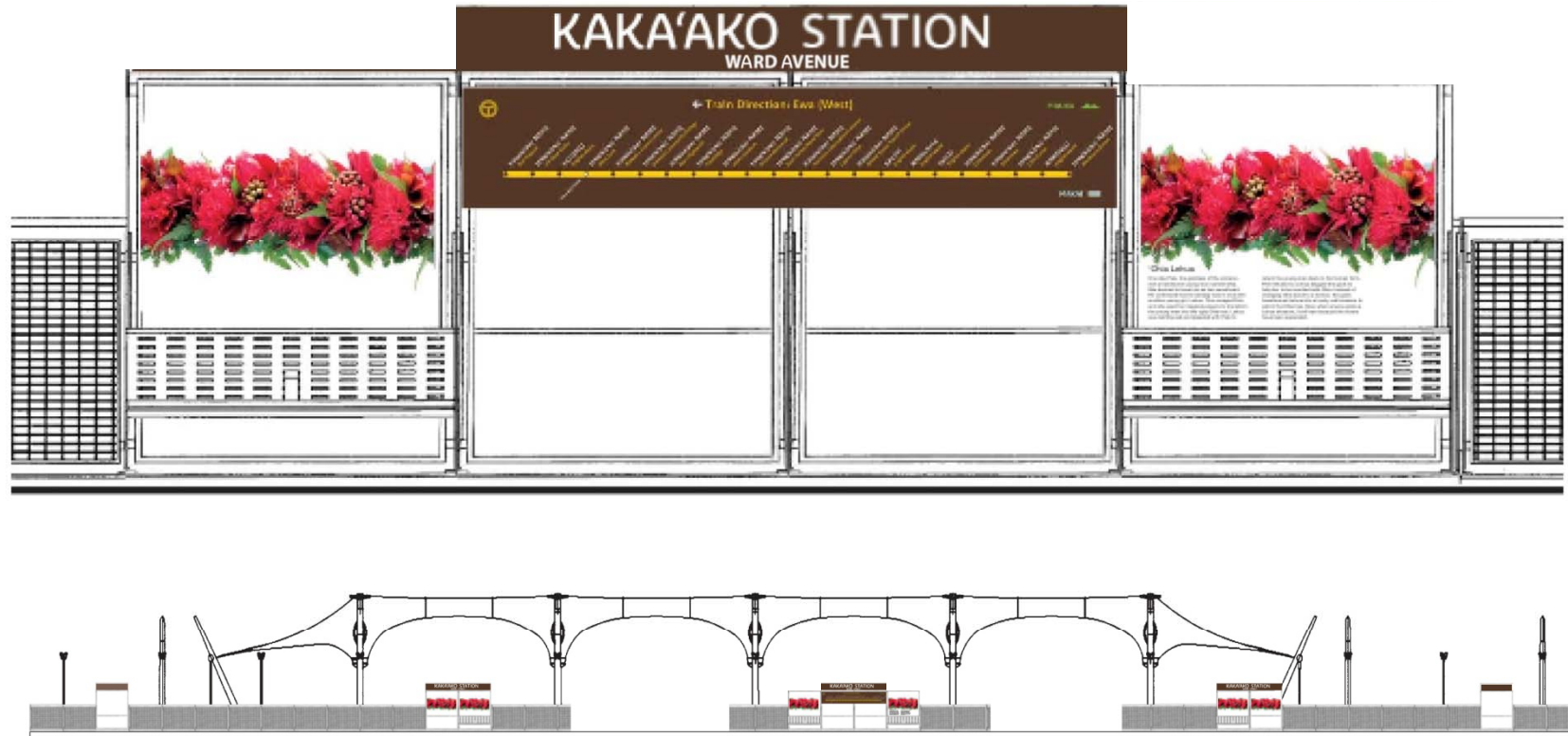
Types of materials

- Metal
- Stone
- Glass
- Concrete
- Ceramic
- Mosaic tile
- Other durable materials impervious to environmental conditions



Shad Crossing by Ming Fay
Glass mosaic
Delancey Street-Essex Street, MTA, New York City Transit

Station Art Program



A selection of flowers and plants used in the lei will be celebrated on each station platform windscreen. Educational interpretative text that highlights the cultural significance or traditions of the plant selection will be included.

Windscreen Design

Cultural and Archeological Research Theme Examples

Excerpts from HART *Archeological Inventory Surveys* by Cultural Surveys Hawai'i, Inc. &
HART *Traditional Cultural Properties Reports* by Kumu Pono Associates LLC

Station	Ahupua'a (Traditional Land Divisions)	Wahi Pana (Sacred Stories/Legendary Places)	Historical Land Use
Pearl Harbor Naval Base Hālawa ahupua'a	The word Hālawa is translated as "curve". This ahupua'a extends from the east loch of Pearl Harbor to the crest of Ko'olau Range, following Hālawa Stream.	The Hawaiian name for Pearl Harbor is Waimomi, (water of the pearl), named after the pipi (pearl oysters), which were once abundant on the harbor reefs. The pipi was described as the fish that silences the voice, or the pearl oyster which had to be gathered in silence... When the people of 'Ewa gathered pipi, they did so in silence, for if they spoke, a Moa'e (strong trade wind) breeze would suddenly blow across the water, rippling the water's surface, and the oysters would disappear.	In the 1870s, several terraced areas along the Hālawa Stream were heavily cultivated with kalo (taro). By the 1920s, sugar cane had replaced the kalo as the primary agriculture of the area.
Lagoon Drive Moanalua ahupua'a	The name Moanalua came from two taro patches watered by 'Iemi Spring, a freshwater spring in the area.	Kanalua was an area of Moanalua where many houses were built for ali'i (chiefs) during ancient times. There was an abundance of awa (milkfish) and 'anae (mullet) in fishponds near Kanalua specifically for use by the ali'i.	At the end of the nineteenth century, the Honolulu Sugar Company (later Honolulu Plantation Company) began leasing portions of Moanalua for sugar cane cultivation.
Middle Street Kalihi ahupua'a	The word Kalihi is translated as "the boundary or edge".	Makali'i was a shark guardian who was known to frequent the waters of Kalihi Kai near Kahaka'aulana (little islets off Sand Island), Native Hawaiians who inhabited Mokauea in the 1970s noted that during the time of Makali'i's residence at Kahaka'aulana, the sand patterns changed above his cave and that fishing was good for akule (bigeye scad).	In 1897, fishponds on the Kalihi Coast were still in use, but the area inland was converted from lo'i kalo (taro fields) to rice fields.